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## FACSIMILE COVER SHEET

AUG 07 2006

Deliver to: Flournoy, Horace L., USPTO Art Group: 2189  
Facsimile No.: (571) 273-8300 Date: August 7, 2006  
From: Ashley R. Ott, Reg. No. 55,515  
Our Docket No.: 42P17027 Number of pages 15 including this sheet.  
Application No.: 10/658,897 Filing Date: 9/10/2003  
Docket Due Date(s): 8/7/2006 9/7/2006

**Enclosed are the following documents:**



**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8A)**

*I hereby certify that this correspondence is being transmitted by facsimile on the date shown below to the United States Patent and Trademark Office.*

Pat Sullivan 8/7/2006  
Pat Sullivan Date

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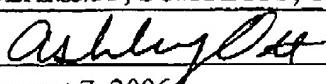
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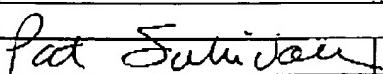
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application No.	10/658,897
		Filing Date	September 10, 2003
		First Named Inventor	Vijay S. Menon
		Art Unit	2189
		Examiner Name	Flournoy, Horace L.
Total Number of Pages in This Submission	15	Attorney Docket Number	42P17027

<b>ENCLOSURES (check all that apply)</b>			
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment / Response <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):	<input type="checkbox"/> <b>Facsimile Transmittal Sheet</b>
Remarks			

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>	
Firm or Individual name	Ashley R. Ott, Reg. No. 55,515  BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	August 7, 2006

<b>CERTIFICATE OF MAILING/TRANSMISSION</b>			
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Typed or printed name	Pat Sullivan		
Signature			
	Date	August 7, 2006	

Based on PTC/SB/21 (09-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wir) 11/30/2005.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

AUG 07 2006

<b>FEE TRANSMITTAL for FY 2005</b>		Complete if Known	
Patent fees are subject to annual revision.		Application Number	10/658,897
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		Filing Date	September 10, 2003
TOTAL AMOUNT OF PAYMENT (\$)		First Named Inventor	Vijay S. Menon
0.00		Examiner Name	Flournoy, Horace L.
		Art Unit	2189
		Attorney Docket No.	42P17027

**METHOD OF PAYMENT** (check all that apply)

- Check  Credit card  Money Order  None  Other (please identify): \_\_\_\_\_  
 Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayment of fee(s)  Credit any overpayments  
 under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

**FEE CALCULATION****1. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	22 - 24* = 0	X 50.00 = \$0.00	
Multiple Dependent	5 - 6* = 0	X 200.00 = \$0.00	

Large Entity	Small Entity		
Fee Code (\$)	Fee Code (\$)	Fee Description	
1202 50	2202 25	Claims in excess of 20	
1201 200	2201 100	Independent claims in excess of 3	
1203 360	2203 180	Multiple Dependent claim, if not paid	
1204 730	2204 395	**Reissue Independent claims over original patent	
1205 300	2205 150	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (1)		(\$)	0.00

\*or number previously paid, if greater. For Reissues, see below

**2. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
2053 130	2053 130	Non-English specification	
1251 120	2251 60	Extension for reply within first month	
1252 450	2252 225	Extension for reply within second month	
1253 1,020	2253 510	Extension for reply within third month	
1254 1,580	2254 785	Extension for reply within fourth month	
1255 2,160	2255 1,080	Extension for reply within fifth month	
1401 500	2401 250	Notice of Appeal	
1402 500	2402 250	Filing a brief in support of an appeal	
1403 1,000	2403 500	Request for oral hearing	
1451 1,510	2451 1,510	Petition to Institute a public use proceeding	
1480 130	2460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(d)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
1809 750	1809 395	Filing a submission after final rejection (37 CFR § 1.128(a))	
1810 750	2810 395	For each additional invention to be examined (37 CFR § 1.128(b))	
Other fee (specify)		SUBTOTAL (2)	(\$)

## Fee Paid

**SUBMITTED BY**

Complete (if applicable)

Name (Print/Type)	Ashley R. Ott	Registration No. (Attorney/Agent)	55,515	Telephone	(303) 740-1980
Signature				Date	08/07/06

Based on PTO/SBU17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wtr) 12/15/2004.  
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# FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

## Complete if Known

Application Number	10/658,897
Filing Date	September 10, 2003
First Named Inventor	Vijay S. Menon
Examiner Name	Flournoy, Horace L.
Art Unit	2189
Attorney Docket No.	42P17027

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  None  Other (please identify): \_\_\_\_\_  
 Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayment of fee(s)  Credit any overpayments  
 under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

## FEE CALCULATION

## 1. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
22	24 <sup>a</sup>	0 X 50.00 =	\$0.00
5	6 <sup>a</sup>	0 X 200.00 =	\$0.00

## Large Entity

## Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
1202 50	2202 25	Claims in excess of 20
1201 200	2201 100	Independent claims in excess of 3
1203 360	2203 160	Multiple Dependent claim, if not paid
1204 760	2204 385	**Reissue independent claims over original patent
1205 300	2205 150	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (1)		(\$)
		0.00

<sup>a</sup>or number previously paid, if greater. For Reissues, see below

## 2. ADDITIONAL FEES

## Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
1051 130	2051 65	Surcharge - late filing fee or oath
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet
2053 130	2053 130	Non-English specification
1251 120	2251 60	Extension for reply within first month
1252 460	2252 225	Extension for reply within second month
1253 1,020	2253 510	Extension for reply within third month
1254 1,590	2254 795	Extension for reply within fourth month
1255 2,160	2255 1,080	Extension for reply within fifth month
1401 500	2401 250	Notice of Appeal
1402 500	2402 250	Filing a brief in support of an appeal
1403 1,000	2403 500	Request for oral hearing
1451 1,510	2451 1,510	Petition to institute a public use proceeding
1460 130	2460 130	Petitions to the Commissioner
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)
1806 180	1806 180	Submission of Information Disclosure Stmt
1809 790	1809 395	Filing a submission after final rejection (37 CFR § 1.128(a))
1810 790	2810 395	For each additional invention to be examined (37 CFR § 1.129(b))
Other fee (specify)		
SUBTOTAL (2)		(\$)

## Fee Paid

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Ashley R. Ott	Registration No. (Attorney/Agent)	55,515	Telephone	(303) 740-1980
Signature				Date	08/07/06

Based on PTO/SB/17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman (vtr) 12/15/2004.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

AUG 07 2006

**RESPONSE UNDER 37 C.F.R. § 1.116**  
**- EXPEDITED PROCEDURE -**  
**EXAMINING GROUP 2100**

Our Docket No.: 42P17027

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Menon	)	Examiner: Flournoy, Horace L.
Application No.: 10/658,897	)	Art Group: 2189
Filed: September 10, 2003	)	
For: A Method and Apparatus for Hardware	)	
Data Speculation to Support Memory	)	
Optimizations	)	

**RESPONSE AFTER FINAL**

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

In response to the Final Office Action mailed on June 7, 2006, which was made final, applicant submits this Amendment After Final Action for consideration.

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that I am causing the above-referenced correspondence to be transmitted via facsimile to the United States Postal Service at (571) 273-8300 on the date indicated below:

August 7, 2006

Date of Transmission

Pat Sullivan

Name of Person Transmitting Correspondence

*Pat Sullivan*  
 Signature

08/07/2006

Date

Docket No.: 42P17027  
 Application No.: 10/658,897